CLAIM AMENDMENTS:

1.	(canceled).
2.	(canceled).
3.	(canceled).
4.	(canceled).
5.	(canceled).

6. (currently amended) The semiconductor device of claim 1, A semiconductor device of a double diffused MOS structure employing a silicon carbide semiconductor substrate, the device comprising:

a silicon carbide semiconductor epitaxial layer provided on a surface of the silicon carbide semiconductor substrate and having a first conductivity which is the same conductivity as the silicon carbide semiconductor substrate;

an impurity region formed by doping a surface portion of the silicon carbide semiconductor epitaxial layer with an impurity of a second conductivity, the impurity region having a profile such that a near surface thereof has a relatively low second-conductivity impurity concentration and a deep portion thereof has a relatively high second-conductivity impurity concentration, wherein a second-conductivity impurity concentration in an outermost surface portion of the impurity region is controlled to be lower than a first-conductivity impurity concentration in the silicon carbide semiconductor epitaxial layer;

further comprising a further impurity region by doping a surface portion of the impurity region of the second conductivity with an impurity of the first conductivity[[,]]; and

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wherein a channel region having the first conductivity [[is]] formed in the outmost surface portion between the epitaxial layer and the further impurity region of the first conductivity.

7. (currently amended) The method of claim 3. A semiconductor device manufacturing method for manufacturing a semiconductor device of a double diffused MOS structure employing a silicon carbide semiconductor substrate, the method comprising steps of:

forming a silicon carbide semiconductor epitaxial layer having a first conductivity on a surface of the silicon carbide semiconductor substrate, the first conductivity being the same conductivity as the silicon carbide semiconductor substrate; and

doping a surface portion of the silicon carbide semiconductor epitaxial layer with an impurity of a second conductivity to form an impurity region having a profile such that a near surface thereof has a relatively low second-conductivity impurity concentration and a deep portion thereof has a relatively high second-conductivity impurity concentration,

wherein the surface portion of the silicon carbide semiconductor epitaxial layer is doped with the impurity of the second conductivity by single-step ion implantation in the impurity region forming step, the single-step ion implantation being performed with a single constant level of implantation energy, and

wherein a first-conductivity impurity concentration in the epitaxial layer is higher than a second-conductivity impurity concentration in an outermost surface portion of the impurity region, so as to form a channel region having the first conductivity in the outermost surface portion of the impurity region.